									1	_	*	HISTORY *
	REVISION:						ll .	ENGINEERING	╢	LIST		Ш
ATE:	10FEB03	DATA TECH:	SCD		ORGN SYMBOL:	YMBO:		LGMPM	PR NR :		APPLICATION: C-5	i OF 1
AGE: 98897	MANUFACTURER NAME: LOCKHEED MARTIN	JRER NAME: MARTIN					REF 4G1	REFERENCE NR: 4G12586-101A		FITTING.	FITTING, SWIVEL ASSE	1620001157398
CAGE	DRAWING NUMBER	NUMBER	71	REV SI	NR SHEETS C	NR F	NR FURN DIST	NOON ST	24		REQUIREMENTS	
8897 L	8897 LAC 0701		\		0000	0000	S	MACHINING SPEC				
8747 0	98747 00-ALC/LGMPM		/		0002	0000	S	ENGERG. DATA REQTS.	OTS. (ATCH "A")			
8897 4	98897 4G12586		\	m	1000	0000	S	FITTING				
8897 S	98897 STSKJ100				8000	0000	S	BEARING.		THIS DRAWING MUS	DRAWING MUST BE OBTAINED FROM WR-ALC	
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STANI	STANDARD ENGINEERING TEXT	RING TEXT										
ENGI	NEERING DATA	ENGINEERING DATA LIST REMARKS						ತ ೧೦ ಪ	FURNISHED METHOD CODE LEGEND: C - CLASSIFIED DOCUMENT: S - FURNISHED WITH SOLICITATION. M - STABLE BASE DRAWING REQUIRED FURNISHED WITH CONTRACT AWAR	ISHED METHOD CODE LEGEND: CLASSIFIED DOCUMENT. FURNISHED WITH SOLICITATION. STABLE BASE DRAWING REQUIRED; FURNISHED WITH CONTRACT AWARD.	X - DATA SUPPLIED (NOT IN EDCARS). R - FURNISHED BY PCD UPON REQUEST. P - PARTIAL DOCUMENT FURNISHED. V - VENDOR DRAWING; (NOT PROVIDED).	G - GOV'T DOCUMENT. O - OTHERS, CONTRACTOR MUST ACQUIRE. A - DATA NOT AVAILABLE.

REV: ,	ENGINEERING DATA REQUIREMENTS								
	(ATTACHMENT "A")								
	ALLITA BY CRECIEIC AT	IONS I/STANDARDS WILL NOT BE FURNISHEL	O IN THE BID SET.						
NOTE: A	OLLOWING INSTRUC	TIONS ARE FURNISHED FOR THE MANUFACT	URE OF						
		FITTING, SWIVEL, STEPPED							
2. PART	NUMBER	The state of the s	3. NATIONAL STOCK NUMB	ER					
	4G12586-		_	0 115 7398					
4. THE	FOLLOWING SPECIFIC	ATIONS/STANDARDS, ETC., WILL BE USED II	N LIEU OF THE DATA INDICATED.	THE SUPERSEDED DATA WILL NOT BE					
a.		drawing requirements per LAC 0701	, in lieu of DS30003.						
b.	Identify to meet	drawing requirements per MIL-STD-	130, in lieu of STP 63-001 in	npression stamping not permitted.					
c.	Penetrant inspect per ASTM E1417, Type I, Method B or C, Level 3 or 4, in lieu of STP 53-201. With the following acceptance/rejection criteria: NO DEFECTS ALLOWED. The intent of NO DEFECTS ALLOWED is that the inspection is conducted at the required sensitivity level and there shall be no indications allowed. The inspector performing the inspection shall be level II certified, with the inspection procedure developed by a level III as specified in NAS-410.								
d.	Use material per alternate materi	SAE AMS-QQ-A-225/8, in lieu of Qual if the preferred material is not available.	QQ-A-225/8. SAE AMS-QQ lable. (Ref. note 19)	-A-200/8 may be used as an					
e.	e. Bearing No. STSKJ100-12A05 in this assembly has been selected and qualified for use, this has been identified under drawing STSKJ100, which is a specification and source control drawing. This drawing lists Vendors by part No. and CAGE code. The contractor must certify that the bearing was procured form the qualified source. The product purchase order will satisfy this requirement.								
	Orilling, reaming, STP 51-410.	and honing to meet drawing specifica	ntions, using best shop proceed	lures and the following notes in lieu of					
a.	High speed stee	(HSS) drills shall be used to drill co	rrosion resistant steels.						
b.	HSS reamers with premium grade	ill be used for rough reaming, and fin- hi-speed tipped reamers will be used	al reaming of steels heat trea for rough reaming of steels h	ted below 200 KSI. Carbide or eat treated above 200 KSI.					
c.	Drilling shall never be used as a final machining operation. A minimum of 0.015 inch on diameter shall be left for final reaming. Holes shall be finished by reaming or boring. When jigs, fixtures, or bushings are not used for drilling holes larger than 1/4 inch, the holes will be piloted with a center drill. Chemical, electrical, or electrochemical hole producing methods shall not be used as a final surface producing method without prior approval from OO-ALC/LGHLEN.								
d.	Honing stones shall be of 150 to 500 alumium oxide grit with a medium-hard bond and preferably a multi-head stone. Heads with steel shoes or wipers shall not be used.								
e.	e. Rough reaming, the reamer length shall be as short as consistent with required penetration. Final reaming, the diameter cut shall produce a hole that meets the requirements of the engineering drawing.								
PREPA	RED BY		SYMBOL	DATE					
		R. Clark	LGMPM	26 Mar 03					

/ : ,		ENGIN	EERING DATA REQUIREMENTS CONTINUA (ATTACHMENT "A")	TION SHEET
RT N	UMBER		NATIONAL STOCK NUMBER	
	4G12586	-10A	1620 00 115	7398
e.	Rough reaming, the cut shall produce a	e reamer length shall be as sh hole that meets the requirem	nort as consistent with required penetration of the engineering drawing.	on. Final reaming, the diameter
f.	Honing shall be us cannot be produce	ed as a final operation where d by other means.	a surface finish better than 125 roughne	ss height ratio is required, and
g.	Carbide drills can dull or chipped co		that HSS drills, but must be used with c	aution. Thay must not be used it
. F	Finish per the follow	ing in lieu of DS 30000, and	finish codes AAA, 17, 54, and 74-74.	
a.	Hard anodize per (code AAA)	MIL-A-8625, Type III, Class	2, (color per FED-STD-595, color No.	Approximate to 37038 black).
b.	Primer wash not re	equired. (code 17)		
C.	One coat of epoxy MIL-PRF-23377,		, Type I, Class 2. (code 54). Alternate	, One coat of epoxy primer per
d.	Two coats of top	coat per MIL-PRF-85285, Ty	pe I. (color white, No. 17925 per FED-	STD-595). (code 74-74)
7. :	Material Review Boa	ard disposition:		
a.	OO-ALC/LLGHL discrepant item. A disposition.	EN system engineering retain Il deviations, minor and majo	is all rights to review and accept MRB dor, from the engineering drawing packag	ispositions prior to shipment of the will be submitted for MRB
			1	
'REP	ARED BY	R. Clark	SYMBOL	26 Mar 03

1645-08U

CONTRACT DAT	r A REQUI: (1 Data Item)	REMENTS L	IST	OMB No. 070					
Public reporting burden for this including the time for reviewing data needed, and completing and estimate or any other aspect of to Department of Defense, Washing 1215 Jefferson Davis Highway, Su Paperwork Reduction Project (070 addresses. Send completed form to	instructions, s reviewing the co this collection gton Headquarter ite 1204, Arling	earching existing llection of inform of information, in services, Direct tton, VA 22202-4302	tation. Send cluding sugg orate for Inc., and to the	comments regarding destions for reducing formation Operations of Office of Management (ETURN your form to	this buy g this s and R nt and either	rden burd epor Budg of t	en ts, et, hese		
	EXHIBIT A	C: CATEGORY: TE							
O. SYSTEM/ITEM FITTING ASSY	E. CONTRACT		F. CONTRACT	ror			 		
L. DATA ITEM NO. 2. TITLE OF DAT	A ITEM		3. SUBTITLE	3			<u> </u>	17.	PRICE GROU
A001 TEST/INSPECT	ION REPORTS		GOVERNMI	ENT TESTING				 	
4. AUTHORITY (Data Acquisition Do DI-NDTI-80809B/T	cument No.) 5. (CONTRACT REFERENCE		6. REQUIRING OFFICE	1		 	18. 	ESTIMATED TOTAL PRIC
7. DD 250 REQ 9. DIST STATEMENT	10. FREQUENCY	12. DATE OF FIRST	SUBMISSION	14. DISTRIBU	TION			<u> </u>	
DD REQUIRED	OTIME	BLK 16			b.	COPI		 	
8. APP CODE D	11. AS OF DATE	13. DATE OF SUBSE	QUENT SUBM.	a. ADDRESSEE	draft	•	nal repr	į	
N/A	l B/A			OO-ALC/MADLV	 	1		1	
16. REMARKS(4) Contractor format acceptab.	La Davagraph 1	n 2 of DD Form 166	4 is	7278 4TH STREET	 	 	 	! !	
clarified as follows: All dimensions and toleran				BLDG 100, BAY D	 	 	 	 	
he listed in one column with the	e actual corresp	onding reading obt	ained from	HILL AFB, UT	 	 		 	
inspection of the part, listed Materials utilized in the	manufacture of "	FIRST MICICIE. ICE	em shall be	84056-5205	+	 	 	 	
identified and certified along conforming to applicable data r	equirements.				 	 	 	1	
Material processes includi	ng finish requir ze, painting, et	cc.) utilized in cr	ie manarac		-	 	 	- 	
ture of the first article will	be identified ar copy of the pur	chase order certif	ying the	-	-	 	-	¦ 	
processes accomplished at other Other requirements as cal (AFLC Form 3720).	than contractor	c racitity amart be	included.			 		- - - -	
(9) DISTRIBUTION STATEMENT D:	v (Critical reci	morogy, (ra pope a	epartment of 5). Other		<u> </u>	<u> </u> 	 	- -	
requests for this document shall	l be referred to	OO-ALC/LGHS.				+	-	-	
(12) Submit concurrently with	First Article.					 	-	4	
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				15. TOTAL	-> 0		1	0	
G. PREPARED BY Cynthia Gould/4Gfis/Fin Mgr	TECCH H. DI	ATE I. APPRO	OVED BY	Jisa Child	J. E	ATE May	03		
DD Form 1423-1, JUN 90	Previo	ous editions are o	bsolete	Page	of	3	Pag	lea	

INSTRUCTIONS FOR COMPLETING DD FORM 1423

(See DoD 5010.12M for detailed instructions.)

FOR GOVERNMENT PERSONNEL

- Item A. Self-explainatory.
- Item B. Self-explainatory.
- Item C. Mark (X) appropriate category: TDP Technical Data
 Package; TM Technical Manual; Other other category of data,
 such as 'Provisioning', 'Configuration Management', etc.
- Item D. Enter name of system/item being acquired that data will
- Item B. Self-explainatory (to be filled in after contract award).
- Item P. Self-explainatory (to be filled in after contract award).
- Item G. Signature of preparer.
- Item H. Date CDRL was prepared.
- Item I. Signature of CDRL approval authority.
- Item J. Date CDRL was approved.
- Item 1. See DoD PAR Supplement Subpart 4.71 for proper numbering.
- Item 2. Enter title as it appears on data acquisition document cited in Item 4.
- Item 3. Enter subtitle of data item for futher definition of data item (optional entry).
- Item 4. Enter Data Item Description (DID) number, military specification number, or military standard number listed in DoD 5010.12-L (AMSDL), or one-time DID number, that defines data content and format requirements.
- Item 5. Enter reference to tasking in contract that generates requirement for the data item (e.g. Statement of Work paragraph number).
- Item 6. Enter technical office responsible for ensuring adequacy of | item.
 the data item.
- Item 7. Specify requirement for inspection/acceptance of the data item by the Government.
- Item 8. Specify requirement for approval of a draft before preparation of the final data item.
- Item 9. For technical data, specify requirement for contractor to mark the appropriate distribution statement on the data (ref DoDD 5230.24).
- Item 10. Specify number of times data items are to be delivered.
- Item 11. Specify as-of date of data item, when applicable.
- Item 12. Specify when first submittal is required.
- Item 13. Specify when subsequent submittals are required, when applicable.
- Item 14. Enter addresses and number of draft/final copies to be delivered to each addressee. Explain reproducible copies in Item 16.
- Item 15. Enter total number of draft/final copies to be delivered.
- Item 16. Use for additional/clarifying information for items 1 through 15. Examples are: Tailoring of documents cited in Item 4; Clarification of submittal dates in Items 12 and 13; Explanation of reproducible copies in Item 14; Desired medium for delivery of the data item.

FOR THE CONTRACTOR

Item 17. Specify appropriate price group from one of the following groups of effort in developing estimated prices for each data item listed on the DD Form 1423.

a. Group I. Definition - Data which is not otherwise essential to the contractor's performance of the primary contracted effort (production, development, testing and administration) but which is required by DD Form 1423.

Estimated Price - Costs to be included under Group I are those applicable to preparing and assembling the data item in conformance with Government requirements, and the administration and other expenses related to reproducing and delivering such data items to the Government.

b. Group II. Definition - Data which is essential to the performance of the primary contracted effort but the contractor is required to perform additional work to conform to Government requirements with regard to depth of content, format, frequency of submittal, preparation, control, or quality of the data item.

Bstimated Price - Costs to be included under Group II are those incurred over and above the cost of the essential data item without conforming to Government requirements, and the administrative and other expenses related to reproducing and delivering such data item to the Government.

c. Group III. Definition - Data which the contrator must develop for his internal use in performance of the primary contracted effort and does not require any substantial change to conform to Government requirements with regard to depth of content, format, frequency of submittal, preparation, control, and quality of the data item.

Estimated Price - Costs to be included under Group III are the administrative and other expenses related to reproducing and delivering such data item to the Government.

d. Group IV. Definition - Data which is developed by the contractor as part of his normal operating procedures and his effort in supplying these data to the Government is minimal.

Estimated Price - Group IV items should normally be shown on the DD Form 1423 at no cost.

Item 18. For each data item, enter an amount equal to that portion of the total price which is estimated to be attributable to the production or development for the Government of that item of data. These estimated data prices shall be developed only from those costs which will be incurred as a direct result of the requirement to supply data, over and above those costs which would otherwise be incurred in performance of the contract if no data were required. The estimated data prices shall not include any amount for rights in data. The Government's right to use data shall be governed by the pertinent provisions of the contract.